

Fortress FR-600 – Pretreatment

Fortress FR-600 is a pretreatment formulation that uses magnesium chloride as the inorganic fire-retardant salt. FR-600 contains a thickener to provide a low viscosity product, this product category is qualified to be purchased and delivered premixed; the liquid concentrate is not evaluated for long-term stability. The FR-600 formulation contains a fugitive coloring agent, and subsequently, the color will fade over time with exposure to sunlight.

Product Type: Low viscosity, gum-thickened, pretreatment, pre-mixed retardant.

Application: Ground-based fire apparatus.

Use level: These products are pre-mixed and delivered ready-to-use.

Yield: Not applicable.

Viscosity: 150 – 400 centipoise (cP)

Field measurement (Marsh Funnel): **A flow-through time of 33 – 44 seconds using the Low Viscosity Marsh Funnel with 3/16 inch tip indicates an acceptable viscosity.**

Salt content: Field measurement (refractometer): A reading of 25.75 indicates proper salt content. **A reading between 23.5 and 28.25 indicates an acceptable salt content.**

Specific weight: 9.50 lb/gal for mixed retardant; equivalent to a density of 1.139 g/mL. At 70°F, a **density between 1.122 and 1.156 indicates an acceptable salt content.** This is equivalent to **9.36 lb/gal – 9.65 lb/gal.**

The mixed product and liquid concentrate are non-storable.